BEREZOV, Petur, inzh.

Danger of accidents with electric current in the baths and kitchen rooms. Elektroenergiia 12 no.8:25-29 '61.

(Electricity, Injuries from) (Kitchens)
(Baths)

Berezov, P.

N/5
917.114
.K9B4

V. V. Kuybyshev, kratkiy biograficheskiy ocherk (Valerian Vladimirovich Kuybyshev, a short biographical sketch) Moskva, Voyenizdat, 1938.
100 p. Illus., Ports.

BEREZOV, B.M.

Development of the machinery industry in the German Democratic Republic. Vest. mashinostr. 45 no.4:78-80 Ap '65.
(MIRA 18:5)

KULAKOV, D.V.; OCHKIN, F.V.; KARPOVA, V.V.; SIMAKINA, N.V.; YAGUDIN, Z.Kh.; GREBENSHCHIKOVA, N.F.; CHEREMUSHKINA, V.M.; YELISEYEV, I.A.; CHERVYAKOVA, A.P.; BEREZOV, A.A.; FEDOTOVA, A.I.; SILKINA, I.V.; NOVIKOVA, V.P.; TANOVA, V.P.; NESVETAYEVA, G.M.; ADSKAYA, V.M.; DRYUCHIN, A.P., otv. red.; KONDRASHOVA, V.I., tekhn. red.

[Economy of Saratov Province in 1960; collected statistics]Narodnoe khoziaistvo Saratovskoi oblasti v 1960 godu; statisticheskii sbornik. Saratov, Gos.stat.izd-vo,1962. 325 p. (MIRA 15:9)

1. Saratov(Province)Statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo upravleniya Saratovskoy oblasti (for Dryuchin). (Saratov Province--Statistics)

BEREZOMSLAYA, D.I., prof.

Review of M.L. Krasnov and N.B. Shul'pina's "Drug handbook for the ophthalmologist." Vest.oft. 72 no.6:56-57 N-D '59.
(MIRA 13:5)

(OPHTHALMOLOGY--HANDBOOKS, MANUALS, ETC.) (DRUGS)
(KRASNOV, M.L.) (SHUL'PINA, N.B.)

BEREZNYY, Ye.A.

Case of congenital heart defect with complete artioventricular block.
Trudy LSGNI 48:502-506 '59. (MIRA 14:2)
(HEART BLOCK)

BEREZNYY, L.A.

Chinese People's Republic in the fight for peace
Vest. Len. un. 6, no. 12, 1951

BEREZNYY L.A.

Role of revolutionary army in the Chinese revolution
Vest. Len. un. 6, no. 8,1951

GOLUBEV, Timofey Mikhaylovich; BEREZNYUK, V.A., otv. red.; TEPLYAKOVA, A.S., red.; MATVIICHUK, A.A., tekhn. red.

[New methods of press forging of metals] Novye metody obrabotki metallov davleniem. Kiev, 1961. 45 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.7, no.4)
(MIRA 14:11)

(Forging) (Powder metal processes)

YAKUSHA, Georgiy Borisovich, kand. tekhn. nauk; BEREZNYUK, V.A., kand. tekhn. nauk, otv. red.; VYADRO, Sh.Ya., red.; MATVIICHUK, O.A., tekhn. red.

[Main trends of technological progress in the industry of the Ukrainian S.S.R.] Osnovni napriamy tekhnichnoho progresu v promyslovosti Ukrains'koi RSR. Kyiv, 1961. 38 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.7, no.8) (MIRA 14:11)

(Ukraine--Technology)

GOLYAN-NIKOL'SKIY, Anton Yul'yevich [Holyan-Nikol's'kyi,A.Yu.]; BEREZNYUK, V.A., otv. red.; TEPLYAKOVA, A.S., red.

[Technology under communism] Tekhnika komunizmu. Kyiv, 1961. 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.10, no.2) (MIRA 14:8)
(Ukraine—Economic conditions) (Ukraine—Technology)

POLYAKOV, Dmitriy Ivanovich; BEREZNYUK, V.A., otv.red.; LESNAYA, A.A., red.

[Development of machinery and instrument manufacture in the Ukraine during the seven-year plan] Razvitie mashinostroeniia i priborostroeniia na Ukraine v semiletke. Kiev, 1961. 37 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.7, no.1) (MIRA 14:6)
(Ukraine—Machinery industry)
(Ukraine—Instrument industry)

DOLZHENKO, Nikolay Fedorovich [Dolzhenko, M.F.]; BEREZNYUK, V.A., dotsent, red.

[Specialization and cooperation in the machinery and metal-working industry of the Ukraine in 1959-1965] Spetsializatsiia i kooperuvannia v mashynobudivnii i metaloobrobnii promyslovosti Ukrainy v 1959-1965 rr. Kyiv, 1959. 23 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.7, no.6) (MIRA 13:2)

(Ukraine--Machinery industry)
(Ukraine--Metalwork)

BEREZNYI, Ye.A.; LEVINA, I.Ye.

Case of intravital diagnosis of spherical thrombus in the heart cavity in myocardial infarct. Trudy LSGNI 48:489-495 '59.
(MIRA 14:2)

(HEART--INFARCTION) (THROMBOSIS)

. USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82414

However one vegetative watering of the cotton plant at the beginning of sprouting lowers little the salt content in the soil. For a final washing out of water-soluble salts from the upper horizons of the soil, additional watering (at the end of June) is necessary. Later, during vegetation, the soil has to be maintained in a loose condition all the time. -- V.F. Nepomilyev

Card 2/2

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82414

Author : Bereznyakovskaya, A.V., Kondrar, F.A.

Inst : Academy of Sciences Uzbek SSR

Title : On the Problem of the Reclamation of Saline Soils for Cotton Plants Under the Conditions of Kara-Kalpakiya

Orig Pub : UzSSR fanlar akad. akhboroti. Izv. AN UzSSR, 1956, No 3, 19-25

Abstract : In 1953-1954, experiments were conducted at the Kara-Kalpakskaya Experiment Station on cultivation of saline lands with their utilization for cotton plant. On saline soils where ground waters are at the depth of 2.5 meters and deeper, good results were produced by supplementary (besides the spring irrigation) vegetative waterings with the norm of 100-1200 cubic meters per hectare.

Card 1/2

BEREZNYAKOVA, Ts.L., Cand Med Sci -- (diss) "Comparative evaluation of the series of methods of xx vaccinotherapy of brucellosis." Novosibirsk, 1958, 11 pp (Perm State Med Inst) 300 copies (KL, 32-58, 111)

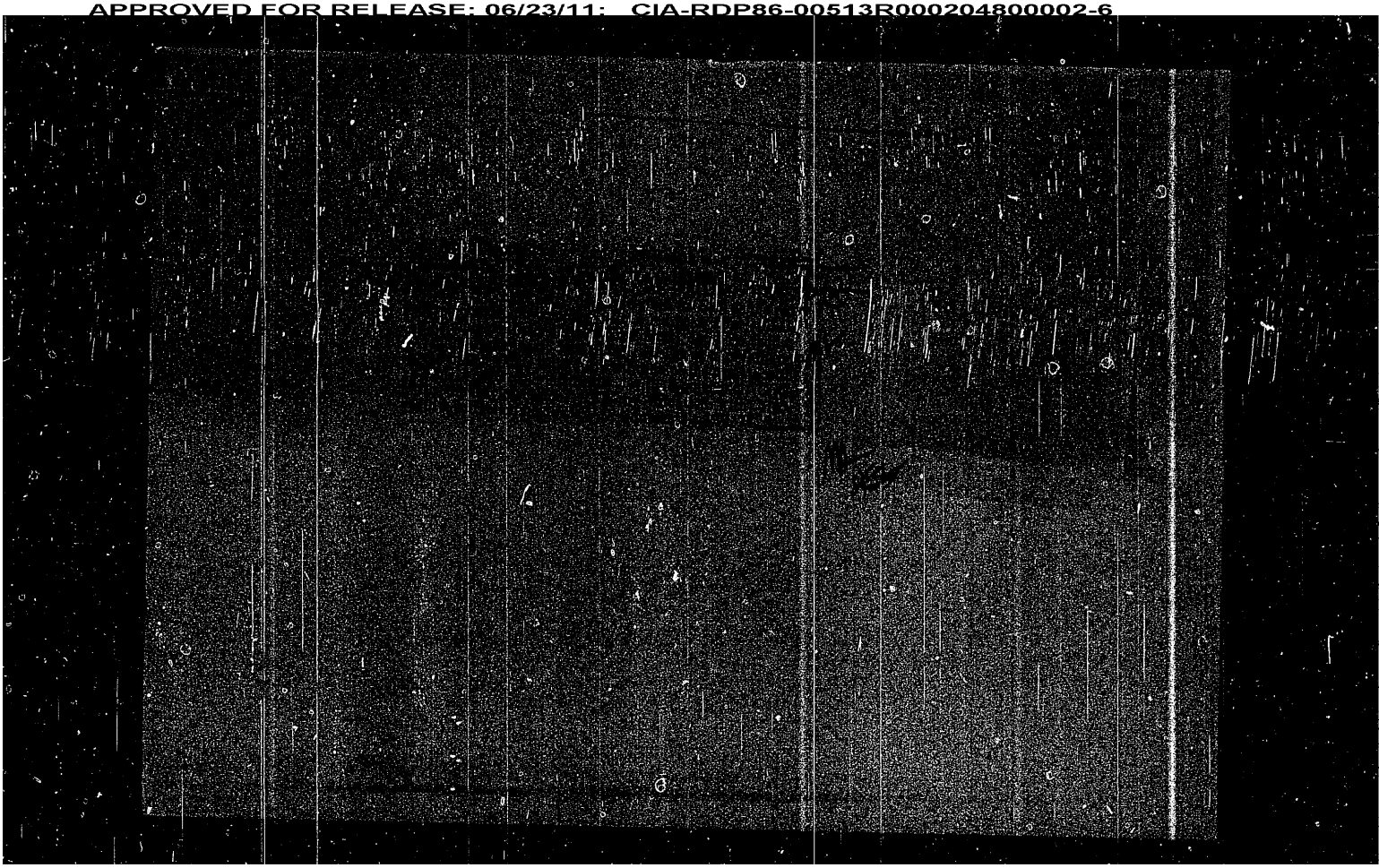
BERIZNYAKOVA, TS.L.

Comparative evaluation of various methods of vaccinotherapy in brucellosis. Zhur.mikrobiol.epid. i immun. 28 no.9:12-16 S '57. (MIRA 10:12)

1. Iz Novosibirskogo meditsinskogo instituta.
(BRUCELLOSIS, therapy,
vaccinother., comparison of various methods (Rus))

NOSOV, S.A.; BEREZNYAK, V.P.

Fitting branch pipes into operating water mains. Rats. i izobr. predl. v stroi. no.56:12-14 '53. (MLRA 9:7)
(Water pipes) (Pipe fitting)



BEREZNYAK, V.

Specialists on the establishment of work standards. Sots.trud no.2: 118-119 F '56. (MLRA 9:7)

1.Ispolnyayushchiy obyazannosti truda i zarplaty Geologorazvedochnogo upravleniya Dal'stroya.
(Prospecting) (Job analysis)

BEREZNYAK, S.M., inzh.:

Conversion of the voltage of coal mine electric systems from 3 kv. to 6 kv. Ugol' Ukr. 4 no.9:19-20 S '60. (MIRA 13:10)

1. Dneprogiproshakht.
(Donets Basin—Electricity in mines)

BEREZNYAK, P.A.; KUCHKPATOV, A.G., otvetstvennyy redaktor; YEMEL'YANOVA, N.I., redaktor; VESKOVA, Ye.I., tekhnicheskiy redaktor

["Korelo-Finnish S.S.R." pavilion; a buidebook] Pavil'on "Korelo-Finskaia SSR"; putevoditel'. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 18 p.
(MLRA 9:8)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
2. Direktor pavil'ona "Karelo-Finskaya SSR" (for Bereznyak)
(Karelia--Natural resources)
(Moscow--Agricultural exhibitions)

of a transparent solid layer on the walls of the ampoule, which grew into a solid transparent crystal, whereas in the case of the solution the solidification began in the form of frost and minute crystals precipitating in a liquid. The results are interpreted from the point of view of the possibility of simultaneous existence of the liquid and solid phases in the form of a homogeneous mixture. The authors thank Academician of AN UkrSSR B. G. Lazarev and Professor V. S. Kogan for a useful discussion of the work. Orig. art. has: 2 figures.

SUB CODE: 20/ SUBM DATE: 04Sep65/ ORIG REF: 004

L 32611-66 EWI(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6014022 SOURCE CODE: UR/0056/66/050/004/0853/0855

42
40

AUTHOR: Bereznyak, N. G.; Bogoyavlenskiy, I. V.

ORG: Physicotechnical Institute, Academy of Sciences, Ukrainian SSR (Fiziko-tekhnicheskiy institut, Akademiya nauk Ukrainskoy SSR)

TITLE: Visual observation of the solidification of helium isotope solutions

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 4, 1966, 853-855

TOPIC TAGS: liquid helium, freezing, crystallization, ISOTOPE

ABSTRACT: In view of the fact that the results of numerous recent experiments with solutions of He^3 in He^4 have suggested that the crystallization of the solutions of isotopes should differ in its mechanism from the known simple mechanism for the solidification of pure He^4, the authors have carried out direct experiments which permitted visual observation of the solidification of solution with 25.6% He^3. The experiments were made in a glass ampoule (45 mm long and 8 mm in dia.), in which the crystallization was effected at constant volume. Depending on the relation between the pressure and temperature, the solidification was into a phase with hexagonal close packed structure (hcc), solidification with transition of the hcc structure into a body-centered cubic structure (bcc), followed with separation of bcc crystals, and solidification into bcc crystals directly. In all cases the crystallization mechanism was different from that of pure He^4 in that the latter was initiated by solidificati...

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filled with a porous copper block with a pore size of about 10 μ. On cooling the calorimeter, the heat of crystallization should be mainly dissipated through the surface of the copper block. Thus the growth of the crystalline phase will occur simultaneously in all cells of the block. It is estimated that for the size of the gaps the time of diffusion equalization of the concentration should not exceed 3 sec. A liquid solution with a concentration of 76.5% He^3 was crystallized within about 30 min and was annealed for 10 hours at a temperature lower by 0.005 degrees than the temperature at which melting of this solution occurs. During this time the pressure(P) and temperature (T) coordinates were measured every hour and remained unchanged within 0.3 atmospheres and 0.004 degrees. Comparison with previous experimental data indicated agreement within experimental error. This proves conclusively that the diagram of state of He^3 solutions in He^4 obtained previously in an equilibrium diagram. Authors thank V. Ye. Terlets'kyy (Terletskiy) for preparing the porous copper and Academician B. H. Lazarvev (B.G. Lazarev) for a useful discussion of the work. Orig. art. has: 1 formula.

SUB CODE: 20/ SUBM DATE: 06Sep65/ ORIG REF: 002/ OTH REF: 002

L 11159-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD
Acc NR: AP6002032 (A) SOURCE CODE: UR/0185/65/010/012/1376/1377

AUTHORS: Bogoyavlens'kyy, I. V.; Bereznyak, N. G.

ORG: Physicotechnical Institute AN UkrSSR, Kharkov (Fizyko-tekhnichnyy instytut AN URSR)

TITLE: The establishment of concentration equilibrium in the crystallization of solutions of helium isotopes

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 12, 1965, 1376-1377

TOPIC TAGS: helium, liquid helium, ~~phase diagram~~, physical diffusion, crystallization, phase equilibrium, isotope

ABSTRACT: This is a continuation of earlier work by the authors (ZhETF v. 47, 480, 1964 and earlier) dealing with the phase diagram of liquid and solid helium.³ In the present paper they describe experiments showing that, unlike in many systems, the establishment of equilibrium concentration in the He^3--He^4 system proceeds rapidly because the coefficient of self-diffusion in solid He^3 near the melting curve is very large, exceeding that of metals by at least two orders of magnitude. The experiments were designed to ensure conditions such that the diffusion mechanism would be certain to assume the equalization of the concentrations. For this purpose the space in the calorimeter was completely

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ACCESSION NR: AP4043620

nected with the polymorphic transition into the solid phase, were also determined for the investigated solutions. The equilibrium diagram between the solid and liquid phase of the system was constructed and was found to be of the peritectic type in the pressure range from 50 to 140 atm. "We thank B. G. Lazarev for interest in the work and I. A. Shapoval for help with the measurements, corresponding member AN SSSR N. Ye. Alekseyevskiy for providing the opportunity to carry out the mass-spectrometric analysis, and A. V. Dubrovin for participating in these measurements." Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk SSSR (Physicotechnical Institute, Academy of Sciences UkrSSR)

SUBMITTED: 21Mar64 ENCL: 00

SUB CODE: GP, TD NR REF SOV: 003 OTHER: 003

Card 2/2

ACCESSION NR: AP4043620 S/0056/64/047/002/0480/0483

AUTHORS: Bogoyavlenskiy, I. V.; Bereznyak, N. G.; Yesel'son, B. N.

TITLE: Measurement of the liquid-crystal equilibrium diagram of helium isotope solutions

SOURCE: Zh. eksper. i teor. fiz., v. 47, no. 2, 1964, 480-483

TOPIC TAGS: liquid helium system, binary phase diagram, polymorphism, solid phase, liquid phase

ABSTRACT: Continuing earlier work (ZhETF, v. 45, 486, 1963) on the determination of the liquid-solid diagrams of state of the isotope system He^3-He^4, the authors measured the curves of the start and end of solidification of solutions with molar concentration 53.6 and 76.5% He^3 and determined the width of the stratification region over the entire concentration interval. The temperature range covered was 1.4--4.0K. The coordinates of the triple points, con-

Card 1/2

BEREZNYAK, N.G.; BOGOYAVLENSKIY, I.V.; YESEL'SON, B.N.

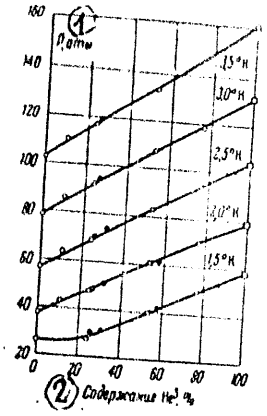
Equilibrium diagram for the liquid - crystal system He^3 - He^4.
Zhur. eksp. i teor. fiz. 45 no.3:486-495 S '63. (MIRA 16:10)

1. Fiziko-tekhnicheskiy institut AN Ukrainskoy SSR.
(Helium isotopes--Thermodynamic properties)

S/056/62/043/005/056/058
B125/B104

The curves representing...

Fig. 2: The dependence of the solidification pressure of helium isotope solutions on the composition of the liquid phase: (o) the results of the present work; (●) the results obtained by the method of blocking of the capillary tubes; (○) data obtained by Grilly and Mills for pure He^3.



Legend: (1) P, atm, (2) percentage of He^3, %.

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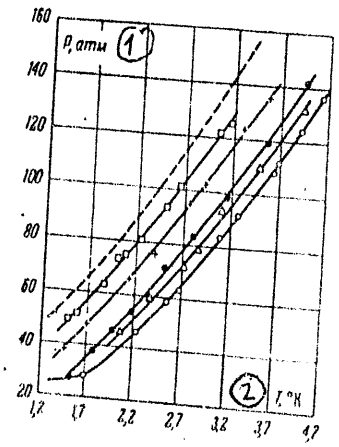
S/056/62/043/005/056/058
B125/B104

The curves representing...

Fig. 1. Pressure at which the solutions begin to solidify as a function of temperature.

Legend: (o) 0% He^3; (Δ) 10.3% He^3; (•) 24.1% He^3; (+) 53.0% He^3; (□) 76.4% He^3; dotted line: Pure He^3; (1) pressure in atmospheres; (2) ^oK.



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The curves representing...

pressure at the beginning of liquefaction increases as the portion of He^3 increases in the solution (Fig. 1). The dependence of the solidification pressure on the He^3 portion in the solution is constructed from these data at various temperatures (Fig. 2). The shape of the isotherms, and the good agreement with the results obtained by blocking the capillary tubes, are indicative of a narrow "demixing region" in the above-mentioned equilibrium diagram. The present results agree satisfactorily with recent data obtained for the temperature range from 1.0 to 2.1°K. The point at which solutions of He^3 in He^4 cease to solidify is now being determined. There are 2 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk Ukrainskoy SSR (Physicotechnical Institute of the Academy of Sciences of the Ukrainskaya SSR)

SUBMITTED: September 12, 1962

43383

S/056/62/043/005/056/058
B125/B104

11,3120

AUTHORS: Bereznyak, N. G., Bogoyavlenskiy, I. V., Yesel'son, B. N.

TITLE: The curves representing the onset of solidification of helium isotope solutions

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 5(11), 1962, 1981-1982

TEXT: The method of thermal analysis was used to establish a correlation between the solidification pressure and the composition of the liquid phase in order to draw the diagram for the equilibrium between the solid and the liquid phase of solutions of He^3 in He^4. The temperature and pressure at which the solutions of He^3 in He^4 begin to solidify (10.3; 24.1; 53.0 and 76.4%He^3) can be determined from the salient points of the curve representing the time dependence on temperature and pressure. A resistance thermometer was used to measure the temperature of the calorimeter, whilst the pressure inside the latter was determined from the elastic deformation of the calorimeter wall, using a strain gauge. Between 1.5 and 4.2°K, the

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33155

An He^3 apparatus for the production... S/120/61/000/006/026/041
E032/E114

Ref. 13: C. J. N. v. d. Meydenberg, K. W. Taconis, 7th Intern. Conf. on Low Temp. Phys., Toronto, Programme, 1960.
Ref. 14: as in text above.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN USSR
(Physicotechnical Institute, AS Ukr. SSR)

SUBMITTED: January 25, 1961

Card 4/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800002-6

An He^3 apparatus for the production ...

1 and 0.4 °K, could be obtained by adjusting the pumping speed of the diffusion pump with the aid of the valve 13. In all the experiments the temperature was determined by measuring the He^3 vapour pressure with a McLeod gauge (Ref. 14: S G. Sydoriak, T.R. Roberts, Phys.Rev., v.106, 1957, 175). In one of the experiments the He^3 vapour was pumped by the absorption pump only the pump being cooled by liquid helium (4.2 °K). In spite of the long and narrow connecting pipe, a temperature of 0.4 °K was obtained. This indicates that He^3 cryostats can be considerably simplified by using absorption pumps only. Acknowledgments are expressed to B.G. Lazarev for his advice.
There are 1 figure and 14 references: 6 Soviet-bloc and 8 non-Soviet-bloc. The four most recent English language references read as follows:
Ref. 8: G. Seidel, P.H. Keesom,
Rev. Scient. Instrum., v.29, 1958, 606.
Ref.10: H.A. Reich, R.L. Garwin,
Rev. Scient. Instrum., v.30, 1959, 7.

Card 3/4

continuously removed by the liquid-hydrogen cooled charcoal pump 8 containing about 50g of activated charcoal. In this way the He^3 gas can be recovered and returned into the reservoirs 1. The use of these absorption pumps greatly simplifies the design of cryostats containing He^3. It was found convenient to use a solution of He^3 in He^4 instead of pure He^4 as the cooling medium. To do this, a mixture containing 7.4% of He^3 was condensed through the tube 9 into the glass reservoir 10 which was sealed into the He^3 container through a Kovar seal. Since this cryostat was used to study the properties of He^3 - He^4 mixtures, the reservoir 10 contained the glass vessel 11 which was filled with the mixture under investigation through the tube 12. It was found that the minimum temperature was 0.4 °K and could be maintained for about 6 hours, which is much longer than the period obtained with He^4 as the cooling liquid. The lower temperature of 0.3 °K was obtained by pumping the vapour given off by liquid He^3 placed in a very small glass dewar connected to the pumping system described above. The latter temperature could be maintained for over 7 hours. Temperatures between

24.5600

33155
S/120/61/000/006/026/041
E032/E114

AUTHORS: Yesel'son, B.N., Shvets, A.D., and Bereznyak, N.G.

TITLE: An He^3 apparatus for the production of temperatures down to 0.3 °K

PERIODICAL: Pribory i tekhnika eksperimenta, no.6, 1961, 123-124

TEXT: The apparatus is illustrated in the figure. About 2 litres of gaseous He^3 supplied by the cylinders 1 are condensed into the copper container 2 which is located inside the vacuum envelope 3 and is maintained at the temperature of the outer bath (1.3 °K). Since at this temperature the vapour pressure of He^3 is greater than the pressure at which diffusion pumps begin to operate, there is an additional He^4 bath 4 whose temperature may be reduced to 1 °K by pumping the vapour through a diaphragm by the ДРН-50 (DRN-50) pump 5. The valve 6 is used to fill this bath with liquid He^4 from a dewar. Under these conditions the vapour given off by liquid He^3 may be pumped by the mercury diffusion pump (Leybold) 7 which has a pumping speed of about 15 litres/sec. Mercury vapour is excluded by liquid nitrogen traps. The He^3 vapour pumped by 7 is

Card 1/ # 4

BEREZNYAK, N. G. Cand Phys-Math Sci -- (diss) "Study of the effect of He^3 upon the density of the normal component He II." Kiev, 1957. 11 pp 20 cm (Acad Sci UkSSR. Inst of Physics), 100 copies. (KL, 24-57, 115)

Dokl.Akad.Nauk 111,fasc.3, 568-570 (1956) CARD 2 / 2 PA - 1983

In general the determination of such a break on the curve P(T) is difficult, but it is considerably facilitated by the study of the temperature dependence of the difference Δ P of the vapor pressure of the solutions and of pure He^4. In the case of the curve P-T the relatively small discontinuity of this quantity at the λ-point will be only little noticeable. However, in the case of the curve Δ P-T the value of $d/dT(\Delta P)$ diminishes considerably and the discontinuity of this quantity at the λ-point remains the same. A diagram illustrates the dependence P-T for some solutions. In the case of all these curves which were obtained by the differential method of measuring vapor pressure a discontinuity is observed which must currespond to the temperature of the phase transition. These temperatures and the corresponding concentrations of the solutions are shown together in a table. These data deviate considerably from the results obtained by other works. However, the data found here agree well with those values of T_λ which were obtained recently in connection with the study of various properties of the solutions of He^3 in He^4 within the domain of small concentrations. The value of (dT_λ/dx_{fl}) at $x_{fl} = 0$ can be obtained by using the data concerning the density of the normal component of the solutions of helium isotopes. The here computed value of (dT_λ/dx_{fl}) at $x_{fl} = 0$ agrees well with the values -1,5 ∇ /mol which were found elsewhere.

INSTITUTION: Physical-Technical Institute of the Academy of Soience in the Ukrainian SSR.

BEREZNYAK, N.G.

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1983
AUTHOR ESEL'SON,B.N., BEREZNYAK,N.G., KAGANOV,M.I.
TITLE The λ -Temperatures of the Solutions of Helium-Isotopes.
PERIODICAL Dokl.Akad.Nauk 111, fasc.3, 568-570 (1956)
Issued: 1 / 1957

In connection with the determination of data which are necessary for the construction of the state diagram liquid-vapor of the system He^3-He^4, another possibility of determining the dependence $T_\lambda(x_{fl})$ was discovered. (Here x_{fl} denotes the concentration of the liquid). What is concerned here is the break of the curve: viscosity of vapor (vapor pressure) - temperature, which must occur at the λ -point of the solution. Whereas in the curve for the dependence of vapor pressure on temperature in the case of pure He^4 the λ -point was characterized by a break in the derivative dP_4^o/dT, the derivatives dP_3/dT, dP_4/dT and dP/dT are subjected to discontinuities in the λ -point on the curves for the dependence of partial pressure and the total pressure of the solutions of the helium isotopes. This follows from general thermodynamic deliberations. Next, an expression for the discontinuity of the derivation of concentration in the gaseous phase is derived. The experimental determination of the break in the curve of the dependence of the vapor pressure of the solution of isotopes on temperature makes it possible to determine $T_\lambda(x_{fl})$.

ILLEGIBLE

are obtained of which one permits determining the penetration depth δ and the other the determination of the density of the normal component. Both equations are explicitly given.

By means of the device described the temperature dependence of the density of the normal component of pure He^4 and of a solution of helium isotopes with a content of 3,0% He^3 was determined. The results are shown in form of a diagram and are indicative of the fact that the normal component of the solution has a considerably greater density than He^4. This follows also from the theory by I.JA.POMERANČUK. At 1,5°, $\varrho_n/\varrho_\lambda$ is by 50% greater in the case of the solution than with He^4. The spectrum of elementary excitations which corresponds to the particles of the admixture is characterized by the value $p_0 = 0$. (Here p_0 apparently denotes the pulse in the case of a lacking admixture). From the experimentally determined values of $(\varrho_n/\varrho_\lambda)_s$ for the solution and $(\varrho_n/\varrho_\lambda)_0$ for pure He^4 it is possible to determine the effective mass of the admixture in the solution. Such a computation furnishes the value $\mu = 2,5\ m_3$, where m_3 denotes the mass of the He^3-atom. At present experiments for the determination of $\varrho_n/\varrho_\lambda$ in concentrated mixtures are being carried out.

INSTITUTION: Physical-Technical Institute of the Academy of Science in the Ukrainian SSR.

BEREZNYAK, N.G.

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1978
AUTHOR BEREZNYAK, N.G., ESEL'SON, B.N.
TITLE The Energy Spectrum of He^3 Admixtures dissolved in He II.
PERIODICAL Dokl. Akad. Nauk 111, fasc. 2, 322-324 (1956)
Issued: 1 / 1957

An experimental investigation of the temperature dependence of the contribution $\varrho_{n\,ad}$ of the admixtures to the density of the normal He II component permits a univocal determination of the shape of the energy spectrum. For this purpose, the authors measured the density of the normal component of the solution of He^3 in He^4 with a concentration of $x = 3{,}0\%$ He^3. The temperature dependence of the moment of inertia of a stack of light parallel disks steeped into the helium-isotope solution was measured. The stack of disks was firmly connected to the little pail surrounding it. The latter was suspended on a wire of phosphorous bronze so that it could perform rotating oscillations round an axis which was vertical to the plane of the disk. The modification of the moment of inertia of the device was determined from the temperaturedependence of the period of the oscillations of the system in the liquid. The connection between the oscillation period of the system and the liquid participating in the motion of the device can, as usual, be determined by solving the corresponding hydrodynamic problem. It must, however, be considered that the liquid is drawn off not only by the disks but also by the outer surfaces of the pail. When solving the hydrodynamic problem the peculiarities of the experimental device must be taken into account by imposing certain corresponding boundary conditions. In this way two equations

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USSR/Physical Chemistry. Thermodynamics, Thermochemistry, B-8
Equilibria, Physical-Chemical Analysis, Phase Transitions.

Abs Jour: Ref Zhur-Khimiya, No 5, 1957, 14646

Abstract: percent, for mixtures containing up to 30 percent of He^3 within the range from 1.35 to 3.2°K, and for richer mixtures within the range from 1.35 to 2.7°K (the results are shown graphically); also the temperature dependence of the dew point was determined for eight mixtures with He^3 contents from 1.9 to 82.4 percent. Graphs of state at seven tempertures from 1.4 to 2.6°K (intervals of 0.2°) were plotted based on the obtained data; their shape is the same as that of the majority of ordinary liquid mixtures (cigar shaped graphs).

Card 2/2

BEREZNYAK, N. G.

USSR/Physical Chemistry. Thermodynamics, Thermochemistry, B-8
Equilibria, Physical-Chemical Analysis, Phase Transitions.

Abs Jour: Ref Zhur-Khimiya, No 5, 1957, 14646

Author : B. N. Esel'son, N. G. Bereznyak
Inst : Academy of Sciences of USSR
Title : Liquid-Vapor State Graph of System of Helium Isotopes (He^3-He^4)

Orig Pub: Dokl. AN SSSR, 1955, 105, No 3, 454-457

Abstract: The vapor pressure p of helium isotope solutions with various contents of He^3 in the liquid was measured. The method (RZhKhim, 1956, 28413, 50161) is based on the determination of the difference Δp_4 between the vapor pressures of the solution and pure He^4. The equilibrium between the liquid and the vapor was provided for by stirring the liquid and it was checked by the absence of any dependence of Δp on time and by the absence of hysteresis. The dependence of p on the temperature was determined for 20 solutions with He^3 contents from 0.4 to 90.8

Card 1/2

BEREZNYAK, N.G.

USSR/Physics - Surface tension

Card 1/1 Pub. 22 - 7/40

Authors : Esel'son, B.N, and Bereznyak, N.G.

Title : Surface tension of a light helium isotope

Periodical : Dok. AN SSSR 99/3, 365-367, Nov 21, 1954

Abstract : The experimental determination of the surface tension of a light helium isotope(He^3) is described. The following formula was used for this determination: $2\alpha\left(\frac{1}{b_1} - \frac{1}{b_2}\right) = H_g\left(\rho_\ell - \rho_v\right)$ into which the experimental data obtained was substituted. Symbols are explained. Five references: 1-USSR (1921-1954). Diagram, table; graph.

Institution: Physico-Technical Institute of the Acad. of Scs. of the UkrSSR.

Presented by: Academician L.D. Landau, July 12, 1954

BEREZNYAK, N. G

USSR/Physics - Surface tension

Card 1/1 : Pub. 22 - 15/49

Authors : Esel'son, B. N., and Bereznyak, N. G.

Title : Surface tension of helium isotope solutions

Periodical : Dok. AN SSSR 98/4, 569-571, Oct. 1, 1954

Abstract : An experiment was conducted with solutions of helium isotopes to determine their surface tensions. The method and instrument set-up are outlined. Six references (1921-1944). Diagram; graphs.

Institution : Physico-Technical Institute of the Acad. of Scs. of the Ukr. SSR

Presented by : Academician Lindau, L. D., April 22, 1954

BEREZNYAK, N.G.

USSR/Physics - Helium isotopes FD-991

Card 1/1 Pub. 146 - 15/20

Author : Yesel'son, B. N., and Bereznyak, N. G.

Title : Dew points of mixtures of helium isotopes

Periodical : Zhur. eksp. i teor. fiz., 27, No 5 (11), 648, 649, Nov 1954

Abstract : The authors tabulate the dependence of the pressure of initial condensation upon temperature for mixtures with various contents of helium-3, and graphs the dependence of the vapor tension of mixtures of helium isotopes upon the state of the gaseous phase for various temperatures. Such tabulation and graphing are necessary in order for the authors to construct the vapor-liquid diagrams for the system He^3 He^4. An extension of an earlier work (B. N. Yesel'son, ibid., 26, 744, 1954). A detailed report will be published soon. The authors thank professor N. Ye. Alekseyevskiy for analyzing the mixtures for the content of the light isotope and professor B. G. Lazarev for his interest.

Institution : Physicotechnical Institute, Academy of Sciences Ukrainian SSR

Submitted : July 13, 1954

BEREZNYAK, N. G.

USSR/Physics - Crystallography of micro-stresses FD-608

Card 1/1 : Pub. 153-20/22

Author : B. Ya. Pine and N. G. Bereznyak

Title : Determination of microstresses in plastically deformed polycrystalline bodies

Periodical : Zhur. tekh. fiz. 24, 329-336, Feb 1954

Abstract : Apply the method of harmonic analysis to the determination of the structural changes that occur during plastic deformations of polycrystalline specimens of W and Ta (Warren and Averbach, J. Appl. Phys., 21,595 (1950)). Found that the diffusion of lines of the x-ray pattern after deformation is due to the effect of microstructures. 6 references, including 4 foreign.

Institution :

Submitted : July 3, 1953

BEREZNYAK, M.M., kand. tekhn. nauk; VASIL'YEV, Ye.I., kand. tekhn. nauk; KALININ, A.V., gornyy inzh.; CHERNORUTSKIY, Ye.F., gornyy inzh.; KOZINTSEV, I.P.

Using combined truck and railroad haulage in open pit mines of the southern Kuznetsk Basin. Ugol' 40 no.4:46-48 Ap '65. (MIRA 18:5)

1. Kemerovskiy gornyy institut (for Bereznyak, Vasil'yev, Kalinin). 2. Sibgiproshakht (for Chernorutskiy). 3. Tomusinskiy kar'yer No.3-4 (for Kozintsev).

BEREZNYAK, M.M., kand. tekhn. nauk; VASIL'YEV, Ye.I., kand. tekhn. nauk;
KALININ, A.V., inzh.; KOLESNIKOV, V.F., inzh.

Use of electronic computers in planning open pit mines. Izv. vys.
ucheb. zav.; gor. zhur. 8 no.2:39-47 '65. (MIRA 18:5)

1. Kemerovskiy gornyy institut.

BEREZNYAK, M.M., kand. tekhn. nauk; VASIL'YEV, Ye.I., kand. tekhn. nauk; KALININ, A.V., gornyy inzh.

Determining the volume of mining operations and the current overburden stripping ratio in mining a series of flat seams in the southern Kuznetsk Basin. Ugol' 39 no.7:22-26 Jl '64. (MIRA 17:10)

1. Kemerovskiy gornyy institut.

BEREZNYAK, M.M., kand. tekhn. nauk; VASIL'YEV, Ye.I., kand. tekhn. nauk; KALININ, A.V., inzh.; PROTASOV, N.M., inzh.

Using ETsVM electronic digital computers in the selection of transportation for strip mines. Izv.vys.ucheb.zav.;gor.zhur. 7 no.6:83-87 '64. (MIRA 17:12)

1. Kemerovskiy gornyy institut. Rekomendovana kafedroy otkrytykh gornykh rabot.

REPIN, N.Ya., dotsent, kand. tekhn. nauk; BEREZNYAK, M.M., dotsent, kand. tekhn. nauk; POTAPOV, M.I., gornyy inzh.

Improve boring and blasting operations in coal pits of the southern Kuznetsk Basin. Ugol' 38 no.9:34-37 S '63. (MIRA 16:11)

1. Kemerovskiy gornyy institut.

GRAFOV, L.Ye., gornyy inzh.; GORBUSHIN, V.I., V.I.; ZARANKIN, N.Ye.; DUDNIK, G.N.; BARONSKIY, I.V.; KOSTYUKOVSKIY, V.Ya.[deceased]; LINDENAU, N.I.; BIRYUKOV, R.A.; LISKOVETS, A.R.; MURAV'YEV, V.P.; FESUN, V.A.; BERDYUGIN, V.A.; BEREZNYAK, M.M.; VASIL'YEV, Ye.I.; KOLLODIY, K.K.; IL'CHENKO, D.F.; YALEVSKIY, D.B.; GERASIMOV, V.P.; IVANOV, V.V.; GAVRILOV, G.V.; SUROVA, V.A., red. izd-va; OSVAL'D, E.Ya., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.

[Development and improvement in the technology of coal production] Razvitie i sovershenstvovanie tekhniki dobychi uglia. Moskva, Gosgortekhizdat, 1962. 359 p. (MIRA 16:2)
(Kuznets Basin--Coal mines and mining)

LOKHANOV, B.N.; KOVALENKO, V.A.; BETANELI, K.P.; VESKOV, M.I.; DRANNIKOV, S.A.; IVANOV, K.I.; BEREZNYAK, M.N.; VASIL'YEV, Ye.I.; TSETSUL'NIKOV, V.R.

Trial operation of cutter loaders in mining with the room-and-pillar method. Ugol' 37 no.8:33-35 Ag '62. (MIRA 15:9)

1. Krasnogorskiy razrez (for Lokhanov, Kovalenko). 2. Institut gornogo dela im. A.A.Skochinskogo (for Betaneli, Veskov, Drannikov, Ivanov). 3. Kemerovskiy gornyy institut (for Bereznyak, Vasil'yev, TSetsul'nikov).

(Coal mining machinery—Testing) (Mining engineering)

BEREZNYAK, M. M., kand. tekhn. nauk; VASIL'YEV, Yu. I., kand. tekhn. nauk

Techniques of mining thin coal layers with an auger. Izv. vys. ucheb. zav.; gor. zhur. no.9:21-28 '61. (MIRA 15:10)

1. Kemerovskiy gornyy institut. Rekomendovana kafedroy otkrytykh rabot.

(Coal mining machinery)

BEREZNYAK, M.M., dotsent; KULIBABA, A.N., dotsent

Technology of and prospects for the expansion of open-pit mining in the Kuznetsk Basin. Ugol' 35 no.9:27-29 S '60. (MIRA 13:10)

1. Kemerovskiy gornyy institut.
(Kuznetsk Basin--Strip mining)

Bereznyak, M.M.

BEREZNYAK, M.M.

Selective ore extraction from quarries and its effect on the height of benching. Trudy Inst. gor. dela AN Kazakh. SSR 1:34-43 '56.
(Strip mining) (MIRA 11:1)

Березняк М.М.

BEREZNYAK, M.M.

Efficient organization of industrial processes in stone quarries. Izv. AN Kazakh. SSR. Ser. gor. dela, met., stroi. i stroimat. no.2:44-57 '57. (MLRA 10:9)
(Quarries and quarrying) (Industrial management)

BEREZNYAK, I. D.

BEREZNYAK, I. D. - "State of the Nasal Sinuses in Children of an Early Age in the Presence of Acute Intestinal Infections (Dysentery)." Voronezh State Med Inst, Voronezh, 1955
(Dissertation for the Degree of Doctor of Medical Sciences)

SO: Knizhnaya Letopis', No. 33, 1955, pp 85-87

BERIZNYAK, I.D.

Tissue therapy in hearing disorders. Vest. otorinolar., Moskva 15 no. 1:75 Jan-Feb 1953. (CLML 24:1)

1. Of the Clinic for Diseases of the Ear, Throat, and Nose (Head -- Prof. A. M. Natanzon), Khar'kov Medical Institute.

1. BEREZNYAK, I. D.

2. SSSR (600)

4. Nose, Accessory Sinuses of

7. Microflora of the paranasal sinuses in infants in acute intestinal infections. Vest. oto-rin. 14 No. 6, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

BEREZNYAK, I.D.

Significance of roentgenography in the diagnosis of diseases of the accessory sinuses of the nose in infants. Vest. otorinolar., Moskva 14 no. 4:37-39 July-Aug. 1952. (CLML 22:5)

1. Of the Clinic for Diseases of the Ear, Throat, and Nose (Head -- Prof. A. M. Natanzon) and of the Clinic for Children's Diseases (Head -- Prof. V.A. Belousov), Khar'kov Medical Institute.

KUROTCHENKO, Vasiliy Stepanovich; OSADA, Petr Akimovich; BEREZNOY, N.I., spets. red.; KAIMYK, V.A., red.; LISOV, V.Ye., red.; KHOLIN, I.A., red.; GERASIMOVA, Ye.S., tekhn. red.

[Methodology for calculating the productive capacity of an industrial enterprise] Proizvodstvennaia moshchnost' promyshlennogo predpriiatiia; metodika rascheta. Moskva, Gos.izd-vo planovo-ekon. lit-ry, 1961. 279 p.

(Industrial capacity)

SEMIN, Sergey Il'ich; MAKSIMOV, I.S., red.; BEREZNOY, N.I., red.; PONOMAREVA, A.A., tekhn.red.

[Efficiency of specialization and cooperation in U.S.S.R. industry] Effektivnost' spetsializatsii i kooperirovaniia v promyshlennosti SSSR. Moskva, Gosplanizdat, 1960. 172 p.

(MIRA 14:3)

(Industrial organization)

BERMZNOY, N.I.

[Planning the use of production potentials in industry] Planirovanie ispol'zovaniia proizvodstvennykh moshchnostei v promyshlennosti. Moskva, Gosplanizdat, 1958. 66 p. (MIRA 12:6)
(Efficiency, Industrial)

BEREZNOY, N. I.

Bereznoy, N. I. "Introduction of mean-progressive norms in the ship building industry," Sudostroyeniye, 1948, No. 6, pp. 1-4

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

SANKIN, D.I., kand. ekon. nauk; SEMINOY, S.I., kand. ekon. nauk; BEREZNOY, N.I., kand. ekon. nauk; ZHDANOV, A.I., kand. ekon. nauk; GORCHAKOV, A.A., inzh.; ZAKHAROV, V.V., inzh.; YUNOVICH, I.M., inzh.; RYVKIN, A.S., inzh.; KOVRIGIN, V.V., ekonomist; DIDENKO, S.I., kand. ekon. nauk; SANDOMIRSKIY, A.T., ekonomist; GONCHARENKO, B.L., kand. ekon. nauk; KOTOV, V.F., inzh.; EYDEL'MAN, B.I., red.

[Handbook for the economist and planner in an industrial enterprise] Spravochnik ekonomista i planovika promyshlennogo predpriiatiia. Moskva, Ekonomika, 1964. 698 p.
(MIRA 17:6)

Bereznoy, N

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Planirovaniye Ispol'zovaniya Proizvodstvennykh Moshchnostey V Promyshlennosti (Planning the use of productive capacity in industry) Moskva, Gosplanizdat, 1958.

66 P. Tables (V Pomoshch' Ekonomistu I Planov'ku)

BEREZNOI, N.

"Development of the manufacture of machinery in the USSR. Tr. from the Russian." P. 360. (PRZEGLAD TECHNICZNY. Vol. 75, No. 10, Oct. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4. April 1955. Uncl.

GUSEV, Vladimir Petrovich. Prinimali uchastiye: SAKHAROV, M.A.; OBICHKIN, Yu.G.; FOMIN, A.V.; SEMIKOV, G.A.; NAZAROV, A.S.; ANDREYEVSKIY, M.N., retsenzent; KUNYAVSKIY, G.M., retsenzent; BLINNIKOV, I.V., retsenzent; BEREZNITSKIY, V.S., red.; SUKHANOV, Yu.I., red.; SVESHNIKOV, A.A., tekhn. red.

[Technology of the manufacture of radio electronic equipment] Tekhnologiia proizvodstva radioelektronnoi apparatury. Moskva, Izd-vo "Sovetskoe radio," 1961. 387 p. (MIRA 14:9)
(Radio--Equipment and supplies)

BEREZNITSKIY, V. S. and VDOVETS, P. Z.

"Dimensions and Base Diagrams of Electron Tubes," (Gabarity i tsokolevka elektronnykh lamp), "Sovetskoye radio," 1949, 23 pp of text and 354 sheets of sketches.

BEREZNITSKIY, V.P.

BEREZNITSKIY, V.P., inzh.; KHALILEYEV, K.A., inzh.

Standardization of manufactured objects and their parts.
Standartizatsiia no.5:78-79 S-O '57. (MIRA 10:11)
(Standards, Engineering)

CHEN, N.G.; KOPTEV, G.P.; BEREZNITSKIY, S.G.; SORKIN, M.M.; BOYARSKAYA, R.R.

Preventing corrosion and scale formation in primary gas coolers. Koks i khim. no.9:49-53 '62. (MIRA 16:10)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz (for Chen).
2. Bagleyskiy koksokhimicheskiy zavod (for Koptev, Bereznitskiy, Sorkin, Boyarskaya).

(Cooling towers)
(Corrosion and anticorrosives)

RIVKIN, V.L.; BEREZNITSKIY, S.A.

Treatment of anal neuralgia (proctalgia). Akt. vop. prokt. no.2: 67-71 '63 (MIRA 18:1)

BEREZNITSKIY, I. Ye.

Bereznitskiy, I. Ye.

"The Effect of Certain Synthetic Oxyethylene Derivatives of Phenol Mixed with Antiseptics on Short Flax Fibers." Min Higher Education USSR. Leningrad Textile Inst imeni S. M. Kirov. Chair of Organic, Physical, and Colloid Chemistry. Leningrad, 1955. (Dissertations for the Degree of Candidate in Technical Sciences).

SO: Knizhnaya Letopis', No 27, 2 July 1955

IVANOV, N.I.; SHTEDING, A.E.; Prinimali uchastiye: ZYKOV, V.M., inzh.; BEREZNITSKIY, I.I., inzh.; NORENKO, N.A., inzh.; SOCHINSKIY, V.P., otv. red.; NURMIUKHOMEDOVA, V.F., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.

[Reorganization of coal mines] Rekonstruktsiia ugol'nykh shakht. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Pt.1. [Practices of foreign countries in the reorganization of coal mines] Zarubezhnyi opyt rekonstruktsii shakht. 1961. 222 p. (MIRA 15:1)

(Coal mines and mining)

without a direct connection with work drawings, and there are hundreds of such standards. An obligatory normalization of parts, as suggested by Drozdovskiy, would require the re-working and re-numbering of drawings, and would create confusion.

AVAILABLE: Library of Congress

Bereznitskiy B.P.

28-5-20/30

AUTHOR: Bereznitskiy, B.P., and Khalileyev, K.A., Engineers

TITLE: On the Normalization of Equipment and Its Elements (O normalizatsii izdeliy i ikh elementov)

PERIODICAL: Standartizatsiya, 1957, # 5, p 78-79 (USSR)

ABSTRACT: The authors of the two letters published under this title criticize the article "Normalization of Equipment and Its Elements" ("Normalizatsiya izdeliy i ikh elementov") by M.A. Drozdovskiy, "Standartizatsiya" # 2, 1957.

Both authors say that machines can be normalized without preliminary normalization of parts.

Since Drozdovskiy cited examples from the field of normalization of radio and electronics, it is pointed out that the technical documents for just this industry branch (1st part of "MH CYX") indicate that by "normalized equipment" is meant series-produced equipment, and that technical working documents have to be made for such equipment, including the working drawings for parts, i.e. the parts which are also normalized. It is wrong that the equipment mentioned by Drozdovskiy was normalized without normalizing the parts. Such norms or standards can exist

KLIMOVA, V.A.; BEREZNITSKAYA, Ye.G.; MUKHINA, G.K.

Determination of elements in tungsten sulfide catalysts. Izv. AN SSSR Otd.khim.nauk no.8:1520-1521 Ag '60. (MIRA 15:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Catalysts, Tungsten)

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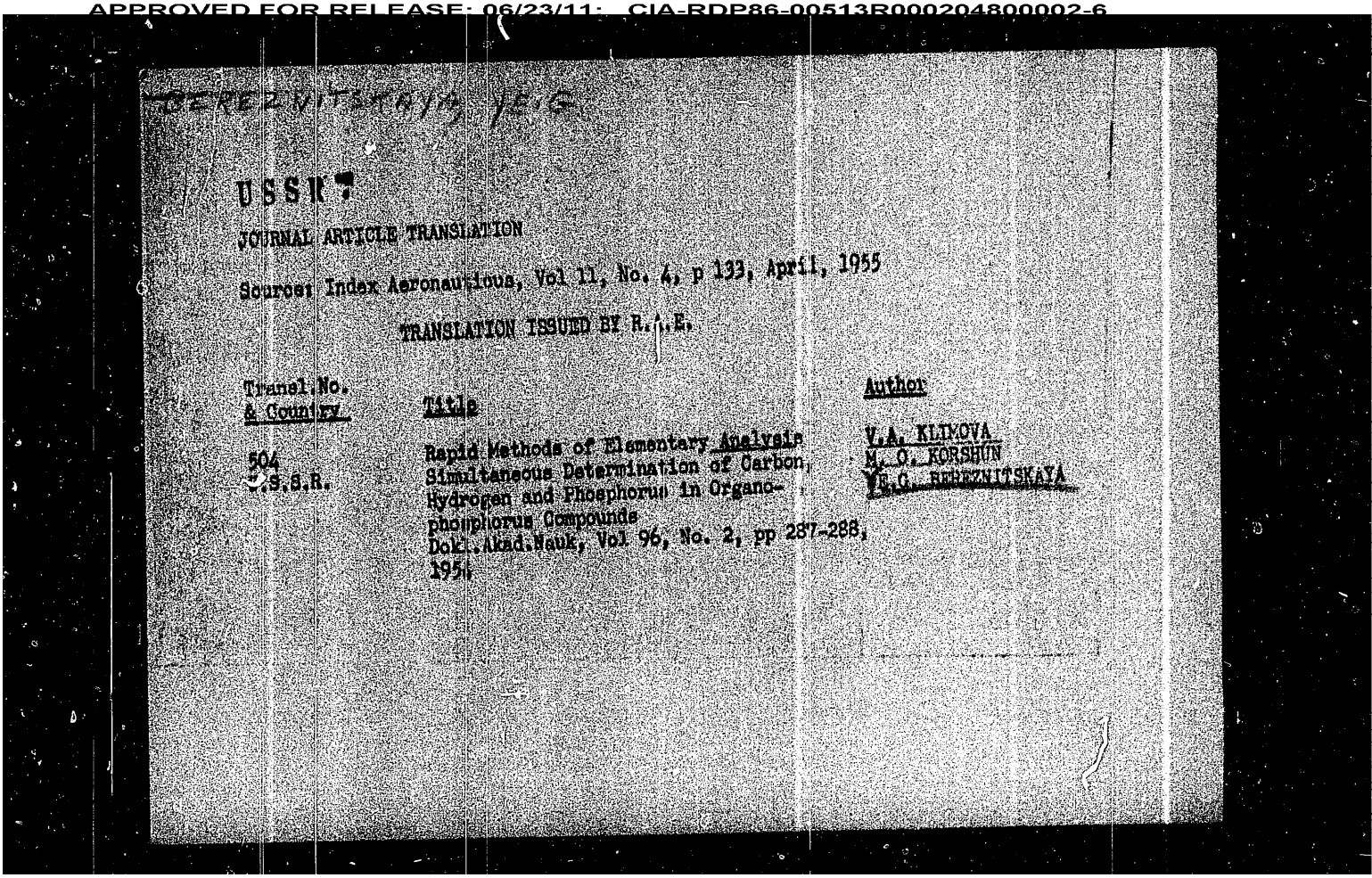

SEREBRITSKAYA, Ye.G.

USSR

JOURNAL ARTICLE TRANSLATION

Source: Index Aeronauticus, Vol 11, No. 4, p 133, April, 1955

TRANSLATION ISSUED BY R.A.E.

Transl.No. & Country	Title	Author
504 U.S.S.R.	Rapid Methods of Elementary Analysis Simultaneous Determination of Carbon, Hydrogen and Phosphorus in Organo-phosphorus Compounds Dokl.Akad.Nauk, Vol 96, No. 2, pp 287-288, 1954	V.A. KLIMOVA M. G. KORSHUN Ye.G. SEREBRITSKAYA

BEREZNITSKAYA, E. O.
USSR/Chemistry

Card 1/1

Authors : Klimova, V. A., Korshun, M. O., and Bereznitskaya, E. O.

Title : High-speed methods of microelementary analysis. Simultaneous determination of carbon, hydrogen, and phosphorus in organo-phosphorus compounds

Periodical : Dokl. AN SSSR, 96, Ed. 2, 287 - 288, May 1954

Abstract : New methods for microelementary analysis of organo-phosphorus compounds are discussed. Table is included showing the results obtained by such a high speed method and aided by a chromium-oxide-asbestos catalyst. All three elements -- carbon, hydrogen, and phosphorus -- were simultaneously determined in this experiment. According to obtained results, the analysis for carbon and hydrogen is within the limits of conventional accuracy, the accuracy for phosphorus is somewhat lower but it is hoped that this simultaneous C, H and P-determination method will be improved. Four references; 3 USSR since 1947. Table

Institution : Acad. of Scs. USSR, The N. D. Zelinskiy Institute of Org. Chem

Presented by : Academician A. N. Nesmeyanov, February 24, 1954

ILLEGIBLE

"Rapid Microelemental Analysis Method; Simultaneous Determination of Carbon, Hydrogen, and Silicon," V.A. Klimova, M. O. Korshun, Ye. G. Bereznitskaya, Inst of Org Chem, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXXIV, No 6, pp 1175-1178

In pyrolytic decompn of organosilicon compds by rapid combustion, silicon carbide is not formed by all classes of these compds. In rapid decompn, no silicon carbide is formed by compds contg a naphthalene nucleus or alkoxyl groups. Conversely, it is generally formed by tetraalkylsilanes and by compds contg unsatd radicals, although they may burn up completely without carbide pyrolysis. Under those conditions, in addn to detn of C and H, Si can be detd simultaneously from the same sample with an accuracy of 1%. Presented by Acad A.N. Nesmeyanov 24 Apr 52.

STOLYAROVA, L.F.; SHCHERBATENKO, V.V.; LUR'YE, T.S.; BEREZNITSKAYA, V.A.

Bread making without fermentation of intermediate products and dough prior to its dividing. Trudy TSNIIKHP no.10:53-62 '62.
(MIRA 18:2)

LUK'YANOVA, Yelena Mikhaylovna[Lukianova, O.M.], kand. med. nauk; VASIL'YEV, O.P.[Vasil'iev, O.P.], translator; BEREZNITSKAYA, S.A. [Bereznits'ka, S.A.], red.; BYKOV, M.M., tekhn. red.

[Prevention and treatment of acute catarrhs of the respiratory tract in children] Zapobihannia ta likuvannia hostrykh katariv dykhal'nykh shliakhiv u ditei. Kyiv, Derzhh. vyd-vo URSR, 1961. 18 p. (MIRA 15:3)
(CATARRH) (CHILDREN—DISEASES)

MOROZKIN, N.I.; BITENBINDER, Ye.A.; PERVACHENKO, S.V.; BEREZNITSKAYA, S.A.; LIKHTOROVICH, S.A.; TRET'YAK, M.A.

Seroprophylaxis of influenza in children's institutions and hospitals. Vop. virus. 5 no. 6:682-686 N-D '60. (MIRA 14:4)

1. Institut infektsionnykh bolezney AMN SSSR, Kiyev.
(INFLUENZA)

BEREZNITSKAYA S. A.

~~Boranitskaya, S. A.~~, Butskaya, L. K., Kostenko, O. K., Mishchaya, S. YA., Filosofova, T. G., Shekhter, A. B., and Milovanova, L. P.

Study of the effectiveness of active immunization in whooping cough.

Materialy nauchnykh konferentsii, Kiev, 1959. 288pp
(Kievskiy Nauchno-issledovatel'skiy Institut Epidemiologii i Mikrobiologii)

BEREZNITSKAYA, S.A.

USSR/Medicine FD-2787

Card 1/1 Pub 154-8/19

Author : Klimova, M. S.; Bereznitskaya, S. A.; Ayzikovich, R. S.; and Andrushchuk, A. A.

Title : The effect of regimen and nutrition on the state of the higher nervous activity of children of nursery age

Periodical : Zhur. vys. nerv. deyat. 5, 219-226, Mar-Apr 1955

Abstract : (From a report presented at the 6th Summing-Up Conference of the Institute OKhMD, 12 Jan 1953). Investigated the effect of variations in the nursery regimen and nutrition on the state of the higher nervous activity of children ranging in age from 1 to 3 years, as evidenced by changes in the conditional nutritional motor reflexes. Tables. Nine references, all USSR (4 since 1940).

Institution : Kiev Scientific-Research Institute for the Protection of Maternity and Childhood imeni P. M. Buyko

Submitted : June 20, 1953

BEREZNITSKAYA, S.A.; KLIMOVA, M.S.; GRIGOR'YEVA, A.A.; AYZIKOVICH, R.S.; BUTOVSKIY, V.A.; SLOVACHEK, M.A.; STARTSEV, I.A.; PROTSKO, G.N.

Effect of regimen and nutrition on the development of 3 to 7-year old children. Pediatriia no.3:91 My-Je '54. (MLRA 8:1)

1. Iz ukrainskogo instituta okhrany materinstva i detstva i Instituta pitaniya.
(CHILDREN--CARE AND HYGIENE)
(CHILDREN--NUTRITION)

BEREZNITSKAYA, S.A.; KLIMOVA, M.S.; GRIGOR'YEVA, A.A.; AYZIKOVICH, R.S.; BUTOVSKIY, V.A.; SLOVACHEK, M.A.; ANDRUSHCHUK, A.A.; STARTSEV, I.A.; PROTSKO, G.N.

Effect of schedule and feeding on development of infants from one to three years of age. Pediatriia, Moskva no.6:18-25 Nov-Dec 1953. (CIML 25:5)

1. Deceased for Butovskiy. 2. Of the Ukrainian Scientific-Research Institute for the Care of Mother and Child imeni Hero of the Soviet Union Prof. P. M. Buyko (Director -- M. D. Burova, Honored Physician Ukrainian SSR) and the Ukrainian Scientific-Research Institute of Nutrition (Director -- Candidate Medical Sciences A. T. Stovdun).

USSR/Cultivated Plants - Grains. M-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91637

field experiments. The positive effect of Mo and Mn was evident only in individual cases. A connection between catalase activity and the accumulation of dry mass in plants was established. Ya.V. Peyve.

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BEREZNITSKAYA, N.I.

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Title : The Effect of Microelements in Seed Socking on the Growth of Corn.

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Abstract : The presowing treatment of the corn seeds with salt solutions of microelements (Cu, Zn, Mn, B, Co, Mo) contributed to an increase in seed germination and increased the yield. The most effective method was the treatment of seeds with a salt solution containing 10 mg/l of Cu and solution containing 20 mg/l of Co. Not only Cu and Co, but B and Zn as well produced positive effects in the

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